

Asset #57081.000 6380 - KY - Green River, Mathematics, Grade 3, SEQ #: 1 EQ: N

Description: Piggy Banks

MA-EP-5.1.01: Patterns, Relations and Functions - Students will extend simple patterns (e.g., 2,4,6,8, . . .). DOK-2

- 1. Lester started with no money in his piggy bank. He decided to put 10¢ in his bank every week. He will not take any money out of his bank.
 - a. Complete the table below.

Amount of Money in Lester's Piggy Bank

	Start	Week 1	Week 2	Week 3	Week 4
Amount of money in bank	0¢	10¢	20¢	30¢	

Sara started with 25¢ in her piggy bank. She decided to put 5¢ in her bank each week. She will not take any money out of her bank.

b. Complete the table below.

Amount of Money in Sara's Piggy Bank

	Start	Week 1	Week 2	Week 3	Week 4
Amount of money in bank	25¢	30¢			

c. Which is the first week that Lester will have **more** money in his bank that Sara will have in hers? Show or explain how you found your answer.



Asset #57081.000 6380 - KY - Green River, Mathematics, Grade 3, SEQ #: 1 EQ: N

Scoring Guide

Score	Description
4	The student response demonstrates an exemplary understanding of the Algebraic Thinking concepts involved in solving problems that require extending simple patterns.
3	The student response demonstrates a good understanding of the Algebraic Thinking concepts involved in solving problems that require extended simple patterns. Although there is significant evidence that the student was able to recognize and apply the concepts involved, some aspect of the response is flawed. As a result the response merits 3 points.
2	The student response demonstrates a fair understanding of the Algebraic Thinking concepts involved in solving problems that require extending simple patterns. While some aspects of the task are completed correctly, others are not. The mixed evidence provided by the student merits 2 points.
1	The student response demonstrates a minimal understanding of the Algebraic Thinking concepts involved in solving problems that require extended simple patterns.
0	Response is incorrect or contains some correct work that is irrelevant to the skill or concept being measured.
Blank	No response.

Training Notes

Additional Notes

The correct answer to Part c may vary. If the student demonstrates that he/she labeled the weeks differently, i.e. called the beginning of the pattern "Week 1" rather than "Start", consider it a minor flaw.

Sample Solution:

Part a:	40¢	40¢						
Part b:	35¢,	35¢, 40¢, 45¢						
Part c:	Wee	Week 6 because they both have 50¢ in week 5. Week 6, Sara has 55¢ and Lester has 60¢.						
	OR	OR						
	2 mc	ore we	eks					
Lester	50¢	60¢						
Sara	50¢	55¢						

- 16. Lester started with no money in his piggy bank. He decided to put 10¢ in his bank every week. He will not take any money out of his bank.
 - a. Complete the table below.

Amount of Money in Lester's Piggy Bank

	Start	Week 1	Week 2	Week 3	Week 4
Amount of money in bank	O¢	10¢	20¢	30¢	404

Sara started with 25¢ in her piggy bank. She decided to put 5¢ in her bank each week. She will not take any money out of her bank.

b. Complete the table below.

Amount of Money in Sara's Piggy Bank

	Start	Week 1	Week 2	Week 3	Week 4
Amount of money in bank	25¢	30¢	35₺	404	45¢

c. Which is the first week that Lester will have more money in his bank than Sara will have in hers? Show or explain how you found your answer.

Lester

[weeks] weeks)

week 6

Weeks with Safa 504 556

Contract: 6351 Math

Grade: 03

Content: Math

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Booklet: 1306040052

Response Code: MA06116

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- 16. Lester started with no money in his piggy bank. He decided to put 10¢ in his bank every week. He will not take any money out of his bank.
 - a. Complete the table below.

Amount of Money in Lester's Piggy Bank

	Start	Week 1	Week 2	Week 3	Week 4
Amount of money in bank	O¢	10¢	20¢	30¢	406

Sara started with 25¢ in her piggy bank. She decided to put 5¢ in her bank each week. She will not take any money out of her bank,

b. Complete the table below.

Amount of Money in Sara's Piggy Bank

	Start	Week 1	Week 2	Week 3	Week 4
Amount of money in bank	25¢	30¢	12.K	40.¢	sod

c. Which is the first week that Lester will have more money in his bank than Sara will have in hers? Show or explain how you found your answer.

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Contract: 6351 Math

Grade: 03

Content: Math

Please STOP Do not do

Booklet: 1306040148

Response Code: MA06116

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- 16. Lester started with no money in his piggy bank. He decided to put 10¢ in his bank every week. He will not take any money out of his bank.
 - a. Complete the table below.

Amount of Money in Lester's Piggy Bank

	<u> </u>				/
	Start	Week 1	Week 2	Week 3	Week 4
Amount of money in bank	0¢	10¢	20¢	30¢	404

Sara started with 25¢ in her piggy bank. She decided to put 5¢ in her bank each week. She will not take any money out of her bank.

b. Complete the table below.

Amount of Money in Sara's Piggy Bank

	Start	Week 1	Week 2	Week 3	Week 4
Amount of money in bank	25¢	30¢	35 °∦	404	45∜

c. Which is the first week that Lester will have more m	oney in his bar	k than Sara v	vill have in
hers? Show or explain how you found your answer.	0	•	
hers? Show or explain how you found your answer. A you go this more over then	Lester	has 60	→
Dara has 55			

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Contract: 6351 Math

Grade: 03

Content: Math

Booklet: 1306040047

Response Code: MA06116

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- 16. Lester started with no money in his piggy bank. He decided to put 10¢ in his bank every week. He will not take any money out of his bank.
 - a. Complete the table below.

Amount of Money in Lester's Piggy Bank

	Start	Week 1	Week 2	Week 3	Week 4
Amount of money in bank	O¢	10¢	20¢	30¢	40¢

Sara started with 25¢ in her piggy bank. She decided to put 5¢ in her bank each week. She will not take any money out of her bank.

b. Complete the table below.

Amount of Money in Sara's Piggy Bank

	Start	Week 1	Week 2	Week 3	Week 4
Amount of money in bank	25¢	30¢	35 ₺	40¢	45¢

c. Which is the first week that Lester will have more money in his bank than Sara will have in hers? Show or explain how you found your answer.

week 6

Contract: 6351 Math

Grade: 03

Content: Math

Booklet: 1306040545

Response Code: MA06116

Please STOR Do not ao A

- 16. Lester started with no money in his piggy bank. He decided to put 10¢ in his bank every week. He will not take any money out of his bank.
 - a. Complete the table below.

Amount of Money in Lester's Piggy Bank

	Start	Week 1	Week 2	Week 3	Week-4
Amount of money in bank	0¢	10¢	20¢	30¢	40 ¢

Sara started with 25¢ in her piggy bank. She decided to put 5¢ in her bank each week. She will not take any money out of her bank.

b. Complete the table below.

Amount of Money in Sara's Piggy Bank

Li de la companya de	Start	Week 1	Week 2	Week 3	Week 4
Amount of money in bank	25¢	30¢	35¢	40¢	45¢

c. Which is the first week that Lester will have more money in his bank than Sara will have in hers? Show or explain how you found your answer. Lester never had more money than Sara.

Contract: 6351 Math

Grade: 03

Content: Math

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Booklet: 1306040007

Response Code: MA06116

a - 1

3

2

- 16. Lester started with no money in his piggy bank. He decided to put 10¢ in his bank every week. He will not take any money out of his bank.
 - a. Complete the table below.

Amount of Money in Lester's Piggy Bank

	Start	Week1	Week 2	Week 3	Week 4
Amount of money in bank	Ο¢	100	20¢	30¢	YÖR

Sara started with 25¢ in her piggy bank. She decided to put 5¢ in her bank each week. She will not take any money out of her bank.

b. Complete the table below.

Amount of Money in Sara's Piggy Bank

	Start	Week 1	Week 2	Week 3	Week 4
Amount of money in bank	25¢	30¢	KER	900	100

c. Which is the first week that Lester will have more money in his bank than Sara will have in Were ten Think cause will have hers? Show or explain how you found your answer.

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Contract: 6351 Math

Grade: 03

Content: Math

Booklet: 1306040684

Response Code: MA06116



- 16. Lester started with no money in his piggy bank. He decided to put 10¢ in his bank every week. He will not take any money out of his bank.
 - a. Complete the table below.

Amount of Money in Lester's Piggy Bank

1	Start	Week 1	Week 2	Week 3	Week 4
Amount of money in bank	O¢	10¢	20¢	30¢	404

Sara started with 25¢ in her piggy bank. She decided to put 5¢ in her bank each week. She will not take any money out of her bank.

b. Complete the table below.

Amount of Money in Sara's Piggy Bank

	Start	Week 1	Week 2	Week 3	Week 4
Amount of money in bank	25¢	30¢	35.¢		THE POST OF THE PO

c. Which is the first week that Lester will have more money in his bank than Sara will have in hers? Show or explain how you found your answer.

Contract: 6351 Math Booklet: 1306040240 Grade: 03

Content: Math

Response Code: MA06116

Please STOP Do not no 4

a only

- 16. Lester started with no money in his piggy bank. He decided to put 10¢ in his bank every week. He will not take any money out of his bank.
 - a. Complete the table below.

Amount of Money in Lester's Piggy Bank

	Start	Week 1	Week 2	Week 3	Week 4
Amount of money in bank	Ω¢	10¢	20¢	30¢	40¢

Sara started with 25¢ in her piggy bank. She decided to put 5¢ in her bank each week. She will not take any money out of her bank.

b. Complete the table below.

Amount of Money in Sara's Piggy Bank

	Start	Week 1	Week 2	Week⊴3	Week 4
Amount of money in bank	25¢	30¢	55¢	60t	85¢

c. Which is the first week that Lester will have more money in his bank than Sara will have in hers? Show or explain how you found your answer.

Contract: 6351 Math

Grade: 03

Content: Math

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Booklet: 1306040349

Response Code: MA06116



- 16. Lester started with no money in his piggy bank. He decided to put 10¢ in his bank every week. He will not take any money out of his bank.
 - a. Complete the table below.

Amount of Money in Lester's Piggy Bank

	Start	Week 1	Week 2	Week 3	Week 4
Amount of money in bank	Ο¢	10¢	20¢	30¢	

Sara started with 25¢ in her piggy bank. She decided to put 5¢ in her bank each week. She will not take any money out of her bank.

b. Complete the table below.

Amount of Money In Sara's Piggy Bank

	Start	Week 1	Week 2	Week 3	Week 4
Amount of money in bank	25¢	30¢			

c. Which is the first week that Lester will have more money in his bank than Sara will have in hers? Show or explain how you found your answer.

Sara will have on	was the I o	
Lester started out a	t Objoing up 5 and	ecome
Lester started out a	5	sara started

Contract: 6351 Math

Grade: 03

Content: Math

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Booklet: 1306040302

Response Code: MA06116

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Asset #57094.000 6380 - KY - Green River, Mathematics, Grade 3, SEQ #: 2 EQ: N

Description: Stamps

MA-EP-1.3.01: Number Operations - Students will analyze real-world situations to identify the appropriate mathematical operations, and will apply operations to solve real-world problems with the following constraints: add and subtract whole numbers with three digits or less; multiply whole numbers of 10 or less; add and subtract fractions with like denominators less than or equal to four and add and subtract decimals related to money. DOK-2

- 2. Jon collects stamps.
 - He has 157 United States stamps.
 - He has 39 stamps from other countries.
 - a. How many stamps does Jon have in his collection? Show how you found your answer.
 - b. How many more stamps does Jon have from the United States than from other countries? Show how you found your answer.



Asset #57094.000 6380 - KY - Green River, Mathematics, Grade 3, SEQ #: 2 EQ: N

Scoring Guide

Score	Description
4	The student response demonstrates an exemplary understanding of the Number Properties and Operations concepts involved in applying addition and subtraction of whole numbers to solve real-world problems.
3	The student response demonstrates a good understanding of the Number Properties and Operations concepts involved in applying addition and subtraction of whole numbers to solve real-world problems. Although there is significant evidence that the student was able to recognize and apply the concepts involved, some aspect of the response is flawed. As a result the response merits 3 points.
2	The student response demonstrates a fair understanding of the Number Properties and Operations concepts involved in applying addition and subtraction of whole numbers to solve real-world problems. While some aspects of the task are completed correctly, others are not. The mixed evidence provided by the student merits 2 points.
1	The student response demonstrates a minimal understanding of the Number Properties and Operations concepts involved in applying addition and subtraction of whole numbers to solve real-world problems.
0	Response is incorrect or contains some correct work that is irrelevant to the skill or concept being measured.
Blank	No response.

Training Notes

Sample Solution:

Part a: 157 + 39 = 196Part b: 157 - 39 = 118 satte our long amazers at one shares hinamen-

- 16. Jon collects stamps.
 - · He has 157 United States stamps.
 - · He has 39 stamps from other countries.
 - a. How many stamps does Jon have in his collection? Show how you found your answer.

I added 157 and 39 my answer was 196.

b. How many more stamps does Jon have from the United States than from other countries? Show how you found your answer.

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Contract: 6351 Math

Grade: 03

Content: Math --

Booklet: 1302100249

Response Code: MA02116



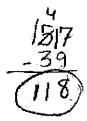
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16. Jon collects stamps.

- · He has 157 United States stamps.
- · He has 39 stamps from other countries.
- a. How many stamps does Jon have in his collection? Show how you found your answer.



b. How many more stamps does Jon have from the United States than from other countries? Show how you found your answer.



Contract: 6351 Math

Grade: 03

Content: Math

Booklet: 1302100015

Response Code: MA02116

3



3 b-2 correct answer

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- 16. Jon collects stamps.
 - · He has 157 United States stamps.
 - · He has 39 stamps from other countries.
 - a. How many stamps does Ion have in his collection? Show how you found your answer.

b. How many more stamps does Jon have from the United States than from other countries? Show how you found your answer.



Contract: 6351 Math

Grade: 03

Content: Math

Booklet: 1302100442

Response Code: MA02116

2

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- 16. Jon collects stamps.
 - · He has 157 United States stamps.
 - · He has 39 stamps from other countries.
 - a. How many stamps does Jon have in his collection? Show how you found your answer.

196

cl counted 50 + 30 which equals 80

Then of added 100+7+9=179 >5/6 116

b. How many more stamps does Jon have from the United States than from other countries? Show how you found your answer.

the seed if 50 - 30 = 20 and it does

Contract: 6351 Math

Grade: 03

Content: Math

Booklet: 1302100550

Response Code: MA02116

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3 a-2? conect answer

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100+80+4+9=196

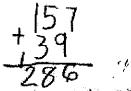
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- 16. Jon collects stamps.
 - · He has 157 United States stamps.
 - · He has 39 stamps from other countries.
 - a. How many stamps does Jon have in his collection? Show how you found your answer.

Frist, I took 157 and 39 and riadd it up. Last, I found the answer was 186,



b. How many more stamps does Jon have from the United States than from other countries? Show how you found your answer.

Contract: 6351 Math

Grade: 03

Content: Math

Booklet: 1302100132

Response Code: MA02116

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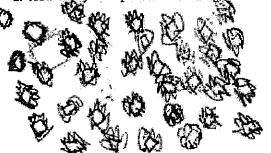
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16. Jon collects stamps.

- · He has 157 United States stamps.
- He has 39 stamps from other countries.

a. How many stamps does Ion have in his collection? Show how you found your answer.



Show how you found your answer.

he as 39 stamps

b. How many more stamps does Jon have from the United States than from other countries?

157,5tamps - 39=111

Contract: 6351 Math

Grade: 03

Content: Math

Booklet: 1302100171

Response Code: MA02116

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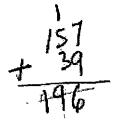
b-1 shows correct

- stratest

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- 16. Jon collects stamps.
 - · He has 157 United States stamps.
 - · He has 39 stamps from other countries.
 - a. How many stamps does Jon have in his collection? Show how you found your answer.

b. How many more stamps does Jon have from the United States than from other countries? Show how you found your answer.



Contract: 6351 Math

Grade: 03 Content: Math

Booklet: 1302100290

Response Code: MA02116

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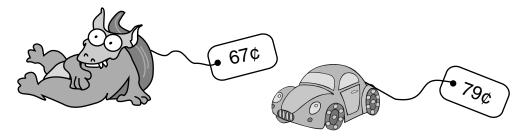


Asset #58307.000 6380 - KY - Green River, Grade 3, SEQ #: 3 EQ: N

Art Set ID: 58309

MA-EP-1.3.01: Number Operations - Students will analyze real-world situations to identify the appropriate mathematical operations, and will apply operations to solve real-world problems with the following constraints: add and subtract whole numbers with three digits or less; multiply whole numbers of 10 or less; add and subtract fractions with like denominators less than or equal to four and add and subtract decimals related to money. DOK-2

3. Jena has \$2.00 to spend at the store. She wants to buy the two toys shown below.



- a. How much will Jena have to pay for the two toys? Show your work.
- b. How much of her \$2.00 will Jena have left after she buys the two toys? Show your work.



Asset #58307.000 6380 - KY - Green River, Grade 3, SEQ #: 3 EQ: N

Scoring Guide

Score	Description
4	The student response demonstrates an exemplary understanding of the Number Properties and Operations concepts involved in selecting the correct operation of addition and subtraction of whole numbers and computing to solve real-world problems.
3	The student response demonstrates a good understanding of the Number Properties and Operations concepts involved in selecting the correct operation of addition and subtraction of whole numbers and computing to solve real-world problems. Although there is significant evidence that the student was able to recognize and apply the concepts involved, some aspect of the response is flawed. As a result the response merits 3 points.
2	The student response demonstrates a fair understanding of the Number Properties and Operations concepts involved in selecting the correct operation of addition and subtraction of whole numbers and computing to solve real-world problems. While some aspects of the task are completed correctly, others are not. The mixed evidence provided by the student merits 2 points.
1	The student response demonstrates a minimal understanding of the Number Properties and Operations concepts involved in selecting the correct operation of addition and subtraction of whole numbers and computing to solve real-world problems.
0	Response is incorrect or contains some correct work that is irrelevant to the skill or concept being measured.
Blank	No response.

Training Notes

Additional Notes

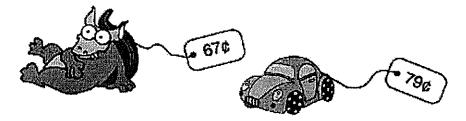
Evaluate the correctness of Part b in terms of the answer the student gave to Part a. For example, if the student answered \$1.36 for Part a, then the correct answer for Part b is \$0.64 instead of \$0.54.

Sample Response:

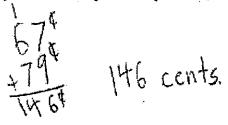
Part a: 67¢ + 79¢ = \$1.46

Part b: \$2.00 - 1.46 = \$0.54

16. Jena has \$2.00 to spend at the store. She wants to buy the two toys shown below,



a. How much will Jena have to pay for the two toys? Show your work.



b. How much of her \$2.00 will Jena have left after she buys the two toys? Show your work.



1464+54=2,000 544



Please STOP Do not go STOP

Contract: 6351 Math

Grade: 03

Content: Math

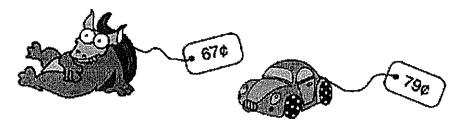
Booklet: 1304100059

Response Code: MA04116

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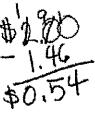
16. Jena has \$2.00 to spend at the store. She wants to buy the two toys shown below.



a. How much will Jena have to pay for the two toys? Show your work.



b. How much of her \$2.00 will Jena have left after she buys the two toys? Show your work.



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Contract: 6351 Math

Grade: 03

Content: Math

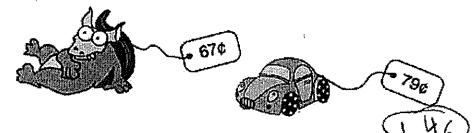
Booklet: 1304100039

Response Code: MA04116

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16. Jena has \$2.00 to spend at the store. She wants to buy the two toys shown below.



a. How much will Jena have to pay for the two toys? Show your work.

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b. How much of her \$2.00 will Jena have left after she buys the two toys? Show your works

2750

how why

First # because

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I had

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Please STOP. Do not go

Contract: 6351 Math

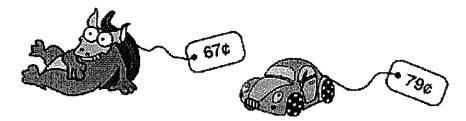
Grade: 03

Content: Math

Booklet: 1304100008

Response Code: MA04116

16. Jena has \$2.00 to spend at the store. She wants to buy the two toys shown below.



a. How much will Jena have to pay for the two toys? Show your work.

\$1.464

b. How much of her \$2.00 will Jena have left after she buys the two toys? Show your work.

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Please STOR Do not go

Contract: 6351 Math

Grade: 03

Content: Math

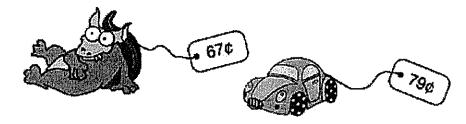
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Response Code: MA04116

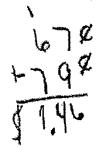
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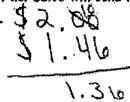
16. Jena has \$2.00 to spend at the store. She wants to buy the two toys shown below.



a. How much will Jena have to pay for the two toys? Show your work.



b. How much of her \$2.00 will Jena have left after she buys the two toys? Show your work.



\$1.36

Please STOR Do not go

Contract: 6351 Math

Grade: 03

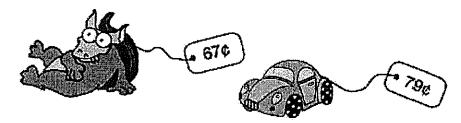
Content: Math

Booklet: 1304100002 Response Code: MA04116

2

3

16. Jena has \$2.00 to spend at the store. She wants to buy the two toys shown below.



a. How much will Jena have to pay for the two toys? Show your work.



b. How much of her \$2.00 will Jena have left after she buys the two toys? Show your work.

Please STOP Do not go

Contract: 6351 Math

Grade: 03

Content: Math

Booklet: 1304100007

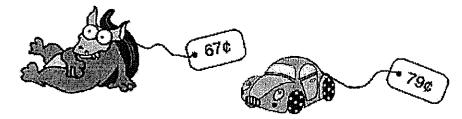
Response Code: MA04116

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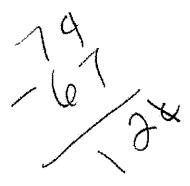
16. Jena has \$2.00) to spend at the store. She wants to buy the two toys shown below.



a. How much will Jena have to pay for the two toys? Show your work.



b. How much of her \$2.00 will Jena have left after she buys the two toys? Show your work.



Please STOP. Do not go

Contract: 6351 Math

Grade: 03

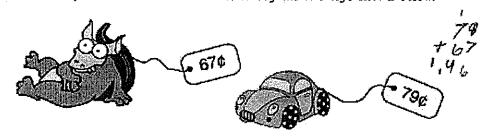
Content: Math

Booklet: 1304100017

Response Code: MA04116



16. Jena has \$2.00 to spend at the store. She wants to buy the two toys shown below.



a. How much will Jena have to pay for the two toys? Show your work.

first I added the two toys Prices together. I do that because
I want to know the price. Then
I want to know how much she b. How much of her \$2.00 will Jena have left after she buys the two toys? Show your work.

first I estimated the real price to sod when it was used. Then I did 46 +4. After that I got the real awaser \$1.46¢,

Please STOP. Do not go

Contract: 6351 Math

Grade: 03

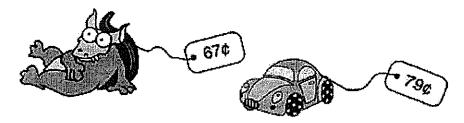
Content: Math

Booklet: 1304100005

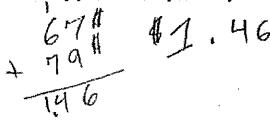
Response Code: MA04116



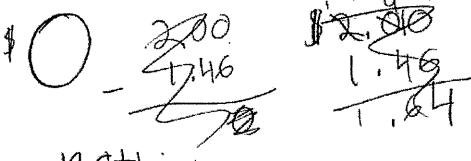
16. Jona has \$2.00 to spend at the store. She wants to buy the two toys shown below.



a. How much will Jena have to pay for the two toys? Show your work.



b. How much of her \$2.00 will Jena have left after she buys the two toys? Show your work,



Please STOP Do not go

Contract: 6351 Math

Grade: 03

Content: Math

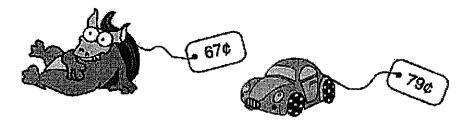
Booklet: 1304100016

Response Code: MA04116

 $\frac{2}{0}$

T

16. Jena has \$2.00 to spend at the store. She wants to buy the two toys shown below.



a. How much will Jona have to pay for the two toys? Show your work.

b. How much of her \$2.00 will Jena have left after she buys the two toys? Show your work.

\$1.46

Please STOR Do not go

Contract: 6351 Math

Grade: 03

Content: Math

Booklet: 1304100093

Response Code: MA04116

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